

Table 9. Coal Production, Actual vs. Forecasts

	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995
	(million short tons)										
AEO82	914	939	963	995	1031	1080					
AEO83	900	926	947	974	1010	1045					1191
AEO84	899	921	948	974	1010	1057					1221
AEO85	886	909	930	940	958	985	1015	1041	1072	1094	1116
AEO86		890	920	954	962	983	1017	1044	1073	1097	1126
AEO87			917	914	932	962	978	996	1020	1043	1068
AEO89				941	946	977	990	1018	1039	1058	1082
AEO90					973	987					1085
AEO91						1035	1002	1016	1031	1043	1054
AEO92							1004	1040	1019	1034	1052
AEO93								1039	1043	1054	1065
AEO94									999	1021	1041
AEO95										1006	1010
AEO96											1037
AEO97											
AEO98											
AEO99											
AEO2000											
AEO2001											
AEO2002											
Actual	884	890	919	950	981	1029	996	998	945	1034	1033
Average Absolute Error (Across Years)	16	27	19	22	30	39	13	30	92	25	59

	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995
	(percent error)										
AEO82	3.4	5.5	4.8	4.7	5.1	5.0					
AEO83	1.8	4.0	3.0	2.5	3.0	1.6					15.3
AEO84	1.7	3.5	3.2	2.5	3.0	2.7					18.2
AEO85	0.2	2.1	1.2	-1.1	-2.3	-4.3	1.9	4.3	13.4	5.8	8.0
AEO86		0.0	0.1	0.4	-1.9	-4.5	2.1	4.6	13.5	6.1	9.0
AEO87			-0.2	-3.8	-5.0	-6.5	-1.8	-0.2	7.9	0.9	3.4
AEO89				-0.9	-3.6	-5.1	-0.6	2.0	9.9	2.3	4.7
AEO90					-0.8	-4.1					5.0
AEO91						0.6	0.6	1.8	9.1	0.9	2.0
AEO92							0.8	4.2	7.8	0.0	1.8
AEO93								4.1	10.4	1.9	3.1
AEO94									5.7	-1.3	0.8
AEO95										-2.7	-2.2
AEO96											0.4
AEO97											
AEO98											
AEO99											
AEO2000											
AEO2001											
AEO2002											
Average Absolute Percent Error (Across Years)	1.8	3.0	2.1	2.3	3.1	3.8	1.3	3.0	9.7	2.4	5.7

Table 9. Coal Production, Actual vs. Forecasts

	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006
AEO82											
AEO83											
AEO84											
AEO85											
AEO86	1142	1156	1176	1191	1217						
AEO87					1149						
AEO89	1084	1107	1130	1152	1171						
AEO90					1178					1379	
AEO91	1065	1079	1096	1111	1133	1142	1160	1193	1234	1272	1309
AEO92	1064	1074	1087	1102	1133	1144	1156	1173	1201	1229	1272
AEO93	1076	1086	1094	1102	1125	1136	1148	1161	1178	1204	1237
AEO94	1051	1056	1066	1073	1081	1087	1098	1107	1122	1121	1128
AEO95	1011	1016	1017	1021	1027	1033	1040	1051	1066	1076	1083
AEO96	1044	1041	1045	1061	1070	1086	1100	1112	1121	1135	1156
AEO97	1028	1052	1072	1088	1105	1110	1115	1123	1133	1146	1171
AEO98		1088	1122	1128	1145	1176	1176	1183	1191	1207	1229
AEO99			1125	1154	1168	1187	1193	1198	1199	1200	1213
AEO2000				1120	1136	1153	1174	1190	1212	1221	1231
AEO2001					1111	1136	1181	1198	1209	1226	1234
AEO2002						1168	1141	1162	1183	1211	1234
Actual	1064	1090	1118	1100	1074	1121					
Average Absolute Error (Across Years)	26	31	39	35	63	37					

	1996	1997	1998	1999	2000	2001
AEO82						
AEO83						
AEO84						
AEO85						
AEO86	7.3	6.1	5.2	8.2	13.4	
AEO87					7.0	
AEO89	1.9	1.6	1.1	4.7	9.1	
AEO90					9.7	
AEO91	0.1	-1.0	-2.0	1.0	5.5	1.8
AEO92	0.0	-1.5	-2.8	0.1	5.5	2.0
AEO93	1.1	-0.4	-2.1	0.1	4.8	1.3
AEO94	-1.2	-3.1	-4.7	-2.5	0.7	-3.1
AEO95	-5.0	-6.8	-9.0	-7.2	-4.3	-7.9
AEO96	-1.9	-4.5	-6.5	-3.6	-0.3	-3.1
AEO97	-3.4	-3.5	-4.1	-1.1	2.9	-1.0
AEO98		-0.2	0.4	2.5	6.7	4.9
AEO99			0.6	4.9	8.8	5.9
AEO2000				1.8	5.8	2.8
AEO2001					3.4	1.3
AEO2002						4.2
Average Absolute Percent Error (Across Years)	2.4	2.9	3.5	3.1	5.5	2.8

Table 9. Coal Production, Actual vs. Forecasts

	2007	2008	2009	2010	2011	2012	2013	2014	2015
AEO82									
AEO83									
AEO84									
AEO85									
AEO86									
AEO87									
AEO89									
AEO90				1617					
AEO91	1349	1386	1433	1492					
AEO92	1312	1355	1397	1445					
AEO93	1269	1302	1327	1362					
AEO94	1143	1173	1201	1223					
AEO95	1090	1108	1122	1137					
AEO96	1161	1167	1173	1184	1190	1203	1215	1230	1240
AEO97	1182	1190	1193	1201	1209	1223	1231	1250	1268
AEO98	1239	1249	1261	1265	1284	1290	1296	1311	1326
AEO99	1220	1232	1236	1236	1253	1259	1268	1282	1294
AEO2000	1236	1242	1246	1242	1246	1249	1254	1257	1269
AEO2001	1262	1269	1268	1273	1277	1282	1288	1292	1294
AEO2002	1262	1271	1279	1284	1292	1300	1306	1313	1325

Table 9. Coal Production, Actual vs. Forecasts

Absolute Forecasting Errors as Compared to Actual Historical Figures

	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995
	(million short tons)										
AEO82	30	49	44	45	50	51					
AEO83	16	36	28	24	29	16					158
AEO84	15	31	29	24	29	28					188
AEO85	2	19	11	10	23	44	19	43	127	60	83
AEO86		0	1	4	19	46	21	46	128	63	93
AEO87			2	36	49	67	18	2	75	9	35
AEO89				9	35	52	6	20	94	24	49
AEO90					8	42					52
AEO91						6	6	18	86	9	21
AEO92							8	42	74	0	19
AEO93								41	98	20	32
AEO94									54	13	8
AEO95										28	23
AEO96											4
AEO97											
AEO98											
AEO99											
AEO2000											
AEO2001											
AEO2002											

	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995
	(absolute percent error)										
AEO82	3.4	5.5	4.8	4.7	5.1	5.0					
AEO83	1.8	4.0	3.0	2.5	3.0	1.6					15.3
AEO84	1.7	3.5	3.2	2.5	3.0	2.7					18.2
AEO85	0.2	2.1	1.2	1.1	2.3	4.3	1.9	4.3	13.4	5.8	8.0
AEO86		0.0	0.1	0.4	1.9	4.5	2.1	4.6	13.5	6.1	9.0
AEO87			0.2	3.8	5.0	6.5	1.8	0.2	7.9	0.9	3.4
AEO89				0.9	3.6	5.1	0.6	2.0	9.9	2.3	4.7
AEO90					0.8	4.1					5.0
AEO91						0.6	0.6	1.8	9.1	0.9	2.0
AEO92							0.8	4.2	7.8	0.0	1.8
AEO93								4.1	10.4	1.9	3.1
AEO94									5.7	1.3	0.8
AEO95										2.7	2.2
AEO96											0.4
AEO97											
AEO98											
AEO99											
AEO2000											
AEO2001											
AEO2002											

Table 9. Coal Production, Actual vs. Forecasts

	1996	1997	1998	1999	2000	2001	Average Absolute Error (Across Years)
AEO82							45
AEO83							44
AEO84							49
AEO85							40
AEO86	78	66	58	91	143		57
AEO87					75		37
AEO89	20	17	12	52	97		37
AEO90					104		52
AEO91	1	11	22	11	59	21	23
AEO92	0	16	31	2	59	23	25
AEO93	12	4	24	2	51	15	30
AEO94	13	34	52	27	7	34	27
AEO95	53	74	101	79	47	88	62
AEO96	20	49	73	39	4	35	32
AEO97	36	38	46	12	31	11	29
AEO98		2	4	28	71	55	32
AEO99			7	54	94	66	55
AEO2000				20	62	32	38
AEO2001					37	15	26
AEO2002						47	47

Actual

Average Absolute
Error (Across Years)

39

	1996	1997	1998	1999	2000	2001	Average Absolute Percent Error (Across Years)
AEO82							4.7
AEO83							4.5
AEO84							5.0
AEO85							4.1
AEO86	7.3	6.1	5.2	8.2	13.4	0.0	5.2
AEO87							3.3
AEO89	1.9	1.6	1.1	4.7	9.1	0.0	3.4
AEO90							3.3
AEO91	0.1	1.0	2.0	1.0	5.5	1.8	2.2
AEO92	0.0	1.5	2.8	0.1	5.5	2.0	2.4
AEO93	1.1	0.4	2.1	0.1	4.8	1.3	2.9
AEO94	1.2	3.1	4.7	2.5	0.7	3.1	2.6
AEO95	5.0	6.8	9.0	7.2	4.3	7.9	5.6
AEO96	1.9	4.5	6.5	3.6	0.3	3.1	2.9
AEO97	3.4	3.5	4.1	1.1	2.9	1.0	2.7
AEO98		0.2	0.4	2.5	6.7	4.9	2.9
AEO99			0.6	4.9	8.8	5.9	5.0
AEO2000				1.8	5.8	2.8	3.5
AEO2001					3.4	1.3	2.4
AEO2002						4.2	4.2

Average Absolute
Percent Error
(Across Years)

3.6